The 19th century pressure data in Japan

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with

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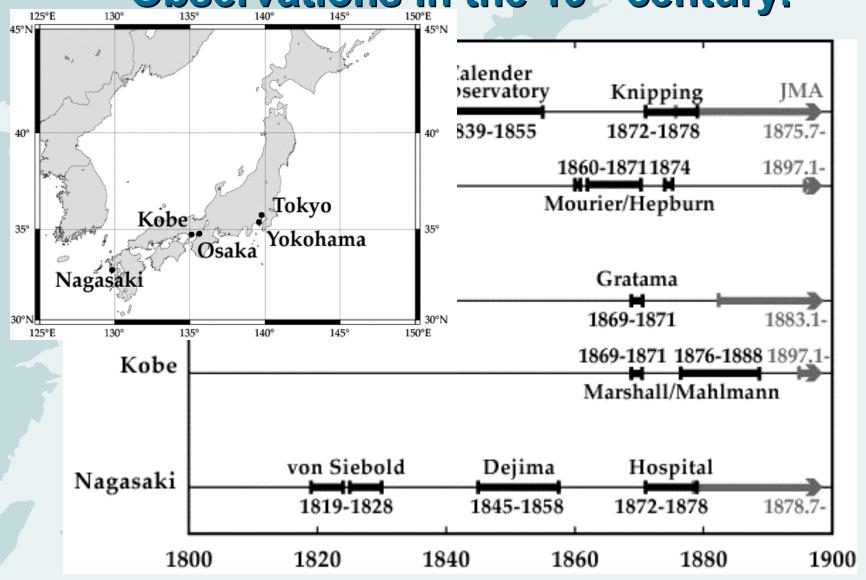
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Background of instrumental data in Japan

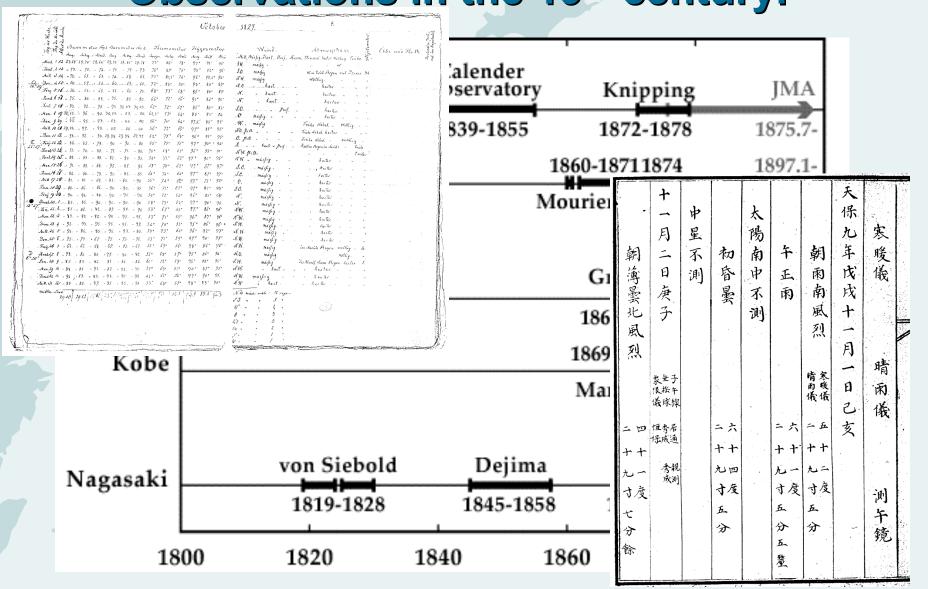
- 1875: Foundation of Japan Met. Agency (JMA)
- Pre-1875: Documentary and natural proxy indicators
- "Poor coverage outside Europe in the 18th and early 19th centuries." (Lamb, 1995)
- Good news!
 - "The 19th century instrumental data taken in Nagasaki were kept in KNMI library."
- There are many fragments spread over the world.

Recovered instrumental temp. and press.

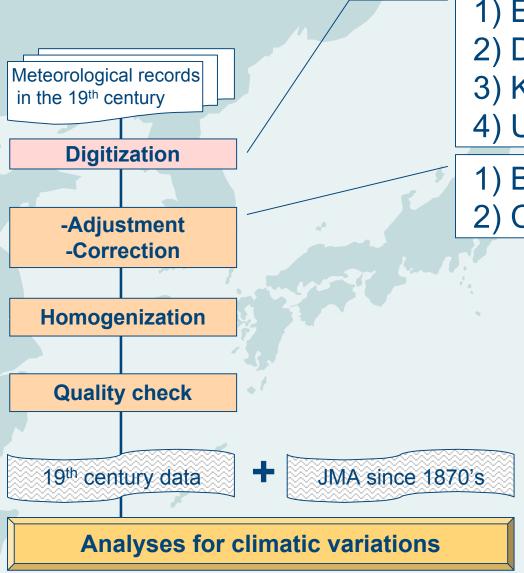
Observations in the 19th century.



Recovered instrumental temp. and press. Observations in the 19th century.



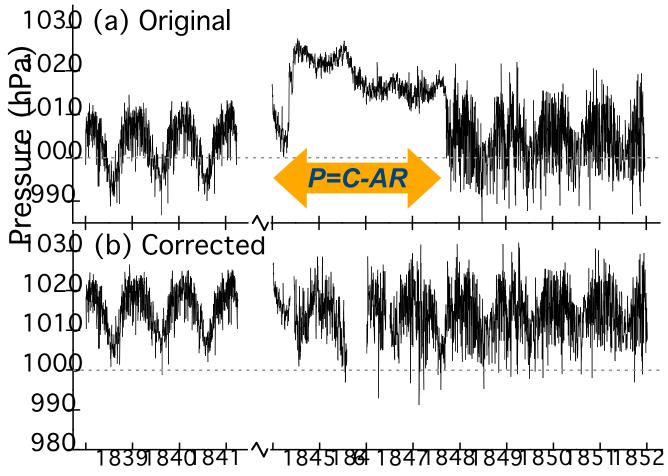
Project scheme



- 1) Excavation
- 2) Documentation
- 3) Keying
- 4) Unit decoding
- 1) Basic adjustment
- 2) Correction

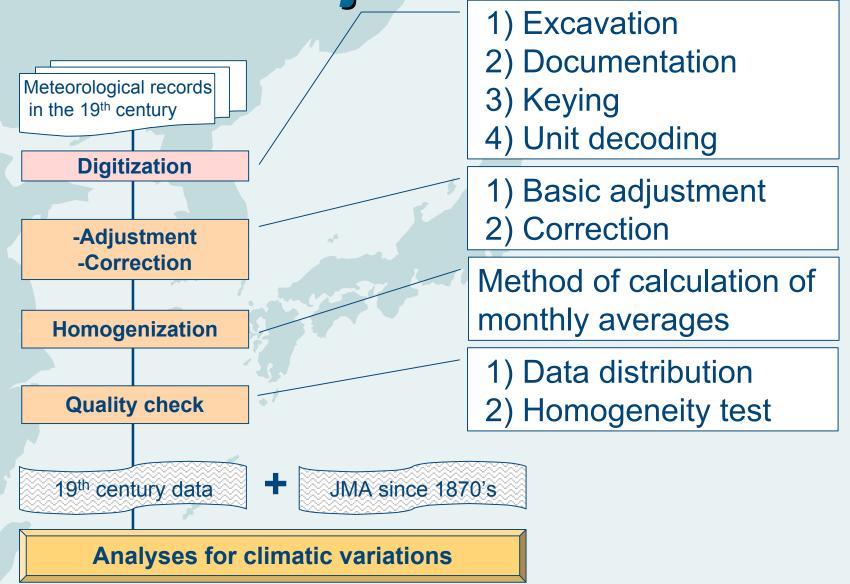
Corrections for Pressure Unexplained Biases

Tokyo (1845-1848)



A: inflation factor C: constant

Project scheme



Now monthly data are available.

